

# ROYAL GARDENS, KEW.

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## BULLETIN

OF

## MISCELLANEOUS INFORMATION.

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### APPENDIX II.—1893.

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#### NEW GARDEN PLANTS OF THE YEAR 1892.

The number of garden plants annually described in botanical and horticultural publications, both English and foreign, is now so considerable that it has been thought desirable to publish a complete list of them in the *Kew Bulletin* each year. The following list comprises all the new introductions recorded during 1892. These lists are indispensable to the maintenance of a correct nomenclature, especially in the smaller botanical establishments in correspondence with Kew, which are, as a rule, only scantily provided with horticultural periodicals. Such a list will also afford information respecting new plants under cultivation at this establishment, many of which will be distributed from it in the regular course of exchange with other botanic gardens.

The present list includes not only plants brought into cultivation for the first time during 1892, but the most noteworthy of those which have been re-introduced after being lost from cultivation. Other plants included in the list have been in gardens for several years, but either were not described or their names had not been authenticated until recently.

In addition to species and botanical varieties, all hybrids, whether introduced or of garden origin, but described for the first time in 1892, are included. It has not been thought desirable, however, to give authorities after the names of garden hybrids in such genera as *Cypripedium*, &c. Mere garden varieties of such plants as *Coleus*, *Codiaeum*, or *Narcissus* are omitted for obvious reasons.

In every case the plant is cited under its published name, although some of the names are doubtfully correct. Where, however, a correction has appeared desirable this is made.

The name of the person in whose collection the plant was first noticed or described is given where known.

An asterisk is prefixed to all those plants of which examples are in cultivation at Kew.

The publications from which this list is compiled, with the abbreviation used to indicate them, are as follows:—*B. M.*—Botanical Magazine. *B. T. O.*—Bulletino della R. Società Toscana di Orticultura. *Bull. Cat.*—Bull., Catalogue of New, Beautiful, and Rare Plants. *Gard.*—The Garden. *G. C.*—Gardeners' Chronicle. *G. and F.*—



Garden and Forest. *Gfl.*—Gartenflora. *G. M.*—Gardeners' Magazine. *Ill. H.*—L'Illustration Horticole. *Jard.*—Le Jardin. *J. of H.*—Journal of Horticulture. *J. O.*—Journal des Orchidées. *L.*—Lindenia. *O.*—L'Orchophile. *R. H.*—Revue Horticole. *R. H. B.*—Revue de l'Horticulture Belge. *Veitch Cat.*—Veitch & Sons, Catalogue of Plants. *W. G.*—Wiener Illustrierte Garten-Zeitung. *Williams Cat.*—Williams, New and General Plant Catalogue. *W. O. A.*—Warner & Williams, Orchid Album.

The abbreviations in the descriptions of the plants are:—*Diam.*—Diameter. *Fl.*—Flower. *Fr.*—Fruit. *Ft.*—Foot or Feet. *G.*—Greenhouse. *H.*—Hardy. *H. H.*—Half-hardy. *In.*—Inches. *Infl.*—Inflorescence. *L.*—Leaves. *Lin.*—Line (one-twelfth of an inch). *Per.*—Perennial. *Pet.*—Petals. *S.*—Stove. *Sep.*—Sepals. *Shr.*—Shrub.

**Acer palmatum**, Thbg. var. **Aokii**, Späth. (*Gfl.* 1892, p. 33, t. 1363.) Sapindaceæ. *H.* tree. *A* form with variegated foliage. Garden variety. (Späth.)

**Acer Trautvetteri**, Medw. var. **erythrocarpa**, Dieck. (*Cat. Nat. Arb. Zösch.* 1892, p. 11.) *H.* tree. *A* variety with red fruit. Caucasus. (Zösch's Arboretum.)

**Adiantum elegantissimum**, Hort. (*G. C.* 1892, v. xii., p. 249.) Filices. *S.* *A* sport from *A. cuneatum*. (*H. B. May.*)

**Adiantum macrophyllum**, Swartz var. **albostriatum**. (*G. C.* 1892, v. xi., p. 816.) *S.* *A* variety with the pinnæ streaked with creamy white on a green ground. (*T. & J. Rogers.*)

\***Agapetes Mannii**, Hemsl. (*G. C.* 1892, v. xii., p. 364.) Vacciniaceæ. *G.* *A* new species with small crowded l., and small inconspicuous fl., similar to those of *A. obovata*. Khasia. (*Kew.*)

\***Agave Franzosini**, Baker. (*Kew Bull.* 1892, p. 3; *G. C.* 1892, v. xii., p. 179, fig. 31.) Amaryllideæ. *G.* *A* new species of the dimensions and habit of *A. americana*; l. intensely glaucous, forming a rosette 18 ft. across; panicle candelabrum-like, 40 ft. high, fl. green and yellow. (*T. Hanbury.*)

\***Aglaonema costatum**, N. E. Br. (*G. C.* 1892, v. xi., p. 426.) Aroidæ. *S.* *A* pretty stove foliage plant with ovate green l. spotted and veined with white; scape short, spathe small, green. Perak. (*J. Veitch & Sons.*)

\***Albuca Buchananii**, Baker. (*G. C.* 1892, v. xii., p. 488.) Liliaceæ. *G.* *A* new species nearly allied to *A. Wakefieldii*, with small ovoid bulbs, linear l., and a long thin scape bearing a raceme of yellow fl. Nyassaland. (*Kew.*)

\***Alloplectus Lynchei**, Hook.f. (*B.M.* t. 7271.) Gesneraceæ. *S.* *A* new species with fleshy stems, purplish, oblong-lanceolate, crenate l., and axillary clusters of tubular, hairy, yellow fl. with large calyces tinged with red. New Grenada? (*Cambridge Botanic Garden.*)

**Alocasia Dussii**, Damm. (*Gfl.* 1892, p. 412.) Aroidæ. *S.* Aroid with large olive-green l. with brownish-red nerves and petioles. (Dammann & Co.)

**Alocasia nobilis**. (*G. C.* 1892, v. xi., p. 731.) Name only. (*F. Sander & Co.*)

**Alocasia Rex**. (*G. C.* 1892, v. xi., p. 731. Name only. (*F. Sander & Co.*)

\***Aloe aurantiaca**, Baker. (*G. C.* 1892, v. xi., p. 780.) Liliaceæ. *G.* *A* new species intermediate between *A. arborescens* and *A. ciliaris*. Stem  $\frac{3}{4}$ -in. in diameter, l. 9 in. long,  $1\frac{1}{2}$  in. wide, apple-green, the margins spinous. Peduncles as long as the leaves, fl. in a dense raceme, yellow tinged with red. S. Africa. (*T. Hanbury.*)

**Ampelovitis Romaneti**, Carr. (*R. H.* 1892, p. 94.) Ampelideæ. *G.* *A* vine with lobed l., glaucous beneath, and narrow bunches of black grapes. China?

**Androsace albana**, Stev. (*G. C.* 1892, v. xii., p. 399.) Primulaceæ. *A* handsome hardy perennial species, forming small rosettes of bright green, toothed l. Fl. in umbels, pinkish. April, July. E. Caucasus. (*Correvoň.*)

**Androsace caucasica**, Sommier and Levier. (*G. C.* 1892, v. xii., p. 399.) *H.* *A* pretty perennial species, with dense rosettes of narrow toothed l. Fl. almost stemless in clusters, bright pink. Summer. Caucasus. (*Correvoň.*)

\***Angræcum obrienianum**, Hort. Sander. (*G. C.* 1892, v. xi., p. 816.)



- Orchideæ. S. A thick-leaved species allied to *A. chailluanum*, with greenish-white long-spurred flowers. (F. Sander & Co.)
- Anguloa uniflora**, R. and P. var. **Treyerani**, Rolfe. (*L.* v. 7, p. 47, pl. 310.) Orchideæ. G. A variety having the base of the lip marked with more numerous rosy bars than usual. Andes. (L'Horticulture Internationale.)
- Anthurium andreanum**, Lind. var. **wambekeanum**, Rodigas. (*Ill. H.* v. 39, p. 109, pl. 163.) Aroidæ. S. A variety with white spathes. (C. Van Wambeke.)
- Anthurium greyanum**. (*G. and F.* v. 5, p. 526.) S. A garden hybrid between *A. ornatum* and *A. andreanum*. (W. Grey, New York.)
- Anthurium Lawrenciæ**. (*G. C.* 1892, xi., p. 731.) S. A garden hybrid. (F. Sander & Co.)
- Anthurium rosæflorum**. (*G. C.* 1892, xi., p. 731.) Name only. (F. Sander & Co.)
- \***Aquilegia transsilvanica**, Schur. (*G. C.* 1892, v. xi., p. 650.) Ranunculaceæ. H. perennial 1-2 ft. high, branching, and quite glabrous, l. biternate, segments 2-3 fid. Fl. 2-3 in. in diam. bright purplish-blue. May. Transylvania. (Kew.) The correct name of this is *A. glandulosa*, Fisch.
- Aristolochia clypeata**, Linden and André. (*G. C.* 1892, v. xi., p. 435, fig. 61.) Aristolochiaceæ. S. A handsome species allied to *A. Duchartrei*, with large cream-yellow fls., blotched and lined with purple. L. large, ovate, green. It is similar to *A. gigantea*. (L'Horticulture Internationale.)
- \***Astilbe chinensis**, Fr. and Sav. (*Gard.* 1892, v. xlii., p. 221.) Saxifrageæ. A fine hardy plant resembling *A. japonica*, but with more loosely branched inflorescence, and rose-coloured fl. September. China. (Kew.)
- \***Asystasia varia**, N. E. Br. (*G. C.* 1892, v. xii., p. 760.) Acanthaceæ. S. A new species which forms a small shrub less than a ft. in height, with 4-angled stems, ovate or lanceolate l., and short axillary racemes of tubular, 2-lipped, mauve and brown fl. Zululand. (Kew.)
- Athyrium setigerum**, Hort. (*G. C.* 1892, v. xii., p. 249.) Filices. Name only. (J. & W. Birkenhead.)
- \***Beaufortia sparsa**, Br. (*Bot. Mag.* t. 7231.) Myrtaceæ. G. This is the correct name for the plant cultivated in England under the name of *B. splendens*, Paxt.
- Begonia cinnabarina**, Hook. var. **albovittata**, Rodigas. (*Ill. H.* v. 39, p. 119, t. 165.) Begoniaceæ. G. A garden variety having the pet. striped with white. (Blancaquaert & Vermeirin.)
- Begonia decora**, Stapf. (*G. C.* 1892, v. xii., p. 621; *G. and F.* v. v. p. 561.) S. A new species with a short fleshy stem, crowded with ovate leaves 5 in. long, 3 in. wide, coloured coppery-red with yellowish veins. Flowers pink. Perak. (J. Veitch & Sons.)
- \***Begonia Duchartrei**, Bruant. (*R. H.* 1892, p. 29, f. 7. *Gard.* 1892, v. 6, p. 115, with fig.) S. A garden hybrid between *B. echinosepala* and *B. scharffiana*. (Bruant.)
- \***Begonia glaucophylla**, Hook. f. (*B. M.* t. 7219.) S. A well-known garden plant, the history and description of which were published along with a figure in the Botanical Magazine last year. Brazil.
- \***Begonia Gloire de Lorraine** (*G. and F.* v. v. p. 244, fig. 48.) G. A garden hybrid between *B. socotrana* and *B. Dregei*. (Lemoine.)
- Begonia rosea-multiflora**, Hort. (*G. C.* 1892, v. xii., p. 249.) S. A variety of *B. semperflorens*. (Vilmorin.)
- Bomarea sororia**, N. E. Br. (*Ill. H.* v. 39, p. 19, pl. 145.) Amaryllidæ. G. Climber, resembling *B. edulis*, with ovate acuminate l., pubescent beneath, and lax umbels of about 20 fl., having the outer segments a little shorter than the inner ones, rosy spotted with carmine, the inner segments green spotted with brown. S. America. (L'Horticulture Internationale.)
- \***Buddleia Colvillei**, Hk. f. (*G. C.* 1892, v. xi., p. 789; and v. xii., p. 186, fig. 32.) Loganiaceæ. H. H. Not new to cultivation, but flowered for the first time in Europe, it is said, by Mr. Gumbleton in his garden at Cork last year. It is a beautiful shrub with loose bunches of rose-coloured bell shaped fl. (Himalayas.)
- Bulbophyllum anceps**, Rolfe. (*L.* v. 8, p. 33, pl. 351.) Orchideæ. S. An elegant species with very broad compressed bulbs, oblong obtuse l., and lax racemes of moderate-sized fl. Dorsal sep. and pet. yellowish dotted with purple, side sep. white striped with purple, lip purple. Borneo. (L'Horticulture Internationale.)
- \***Bulbophyllum comosum**, Hemsl. (*Gard.* 1892, v. xli., p. 48; *J. of H.*



1892, v. xxiv., p. 141, fig. 21.) *S.* A pretty little species with clustered Pleione-like pseudobulbs, fleshy deciduous l., and erect scapes 6 in. long, with abruptly reflexed dense racemes of white hairy fl., which develop after the l. have fallen. Burma. (Kew.)

**Bulbophyllum elegans**, Gardn. (*G. C.* 1892, xi., p. 764.) *S.* An attractive species with small ovoid bulbs, crowded along the stems, narrow lanceolate l., and slender scapes bearing one fl. about an inch long, with broad rosy-purple sep., the upper one shorter and paler than the others. Ceylon. (Sir T. Lawrence.)

\***Bulbophyllum obrienianum**, Rolfe. (*G. C.* 1892, v. xii., p. 332.) *S.* A new species of the *Sarcopodium* group, with a stout rhizome, ovoid one-leaved pseudobulbs and solitary fl. nearly 2 in. in diameter, yellow with dark reddish-purple spots. Himalaya. (J. O'Brien.)

**Calanthe sanderiana**, Rolfe. (*G. C.* 1892, v. xii., p. 396.) Orchideæ. *S.* A new species quite distinct from *C. sanderiana*, Williams, which is a var. of *C. vestita*. It is allied to *C. natalensis*, but with larger fl. and a deeper coloured lip. L. lanceolate, petiolate, 20 in. long, 4 in. broad, scapes 2 ft. long, bearing numerous flowers. East Tropical Africa. (F. Sander & Co.)

**Calanthe vestita** var. **Fournieri**, Rolfe. (*G. C.* 1892, v. xi., p. 488.) *S.* A variety with smaller flowers than the type. Borneo. (Fournier.)

**Calla Pentlandi**, Hort. See **Richardia Pentlandi**.

**Calochortus amœnus**. (*G. C.* 1892, v. 12, p. 11.) Liliaceæ. H. H. Intermediate in habit between *C. alba* and *C. pulchella*. Fl. deep rosy-pink, or purple. L. lanceolate, vigorous. July. (Van Tubergen.)

\***Calochortus Kennedyi**, Porter. (*B. M.* tab. 7264; *Gard.* 1892, v. xlii., p. 15.) H. H. A very handsome species with bright scarlet flowers, the black spots near base being surrounded with bristles. L. linear. July. California. (Kew.)

\***Caralluma campanulata**, N. E. Br. (*G. C.* 1892, v. xii., p. 369; *B. M.* 7274.) Asclepiadæ. *S.* succulent. A dwarf Stapelia-like plant, with 4-angled glabrous stems, and terminal umbels of star-shaped fl., 1 in. in diam., velvety brownish-purple. Ceylon. (Kew.)

\***Carex gracilis**, R. Br. (*R. H.* 1892, p. 384.) Cyperaceæ. *G.* sedge of

graceful habit with narrow bright green l., and narrow panicles of slender clustered spikes. Japan, India, Australia. (Muetie.) This may be *C. tristachys*, known in gardens as *C. japonica*.

\***Carludovica micropetala**, Hook. f. (*B. M.* t. 7263.) Cyclanthaceæ. *S.* A dwarf species with a short fleshy stem, narrow dark green plicate l.  $1\frac{1}{2}$  ft. long, split from the apex to below the middle; peduncle 4 in. long, sheaths 1 in. long, spadix 1 in. long, covered with pale yellow fl. and long white filaments. Costa Rica. (Kew.)

**Catasetum Liechtensteinii**, Kränzlin. (*G. C.* 1892, v. xi., p. 171.) Orchideæ. *S.* A new species allied to *C. Trulla*, with a raceme of 20 green and brown fl., each 2 in. across.

\***Cattleya Alexandrae**, Rolfe. (*G. C.* 1892, v. xi., p. 523, and v. xii., 672; *R. H. B.* 1892, p. 196, f. 19; *J. O.* vol. 3, p. 168, f. 3.) Orchideæ. *S.* A new species, very similar in general characters to *C. Leopoldii*, but with dull brown fl., the lip only being rosy-purple. Brazil. (L'Horticulture Internationale.)

**Cattleya Amesiae**, Hort. Sander. (*G. C.* 1892, v. xi., p. 816.) A garden hybrid. (F. Sander & Co.)

**Cattleya aurea**, Linden. var. **statteriana**. (*G. C.* 1892, v. xii., p. 379.) *S.* A form of *C. labiata*, var. *dowiana*, with less crimson colour on the lip than usual. Syn. *C. statteriana* (*J. of H.* 1892, v. 25, p. 277, f. 38.) (T. Statter.)

**Cattleya Baroness Schroederæ**. (*G. C.* 1892, v. xii., p. 249.) *S.* A garden hybrid between *C. labiata* var. and *C. jongheana* (*dolosa*). (Baron Schroeder.)

**Cattleya Batalinii**, Kränzlin. (*G. C.* 1892, v. xii., pp. 75, 332.) *S.* A new species recalling *C. schilleriana*. Fl.  $2\frac{1}{2}$  in. across, purplish rose, side lobes of lip whitish, mid-lobe deep purple; column very large. Brazil. (F. Sander & Co.)

**Cattleya blesensis**, Maron. (*R. H.* 1892, p. 416.) *G.* A garden hybrid between *C. punila* and *C. Loddigesii*. (Maron.)

**Cattleya burberryana**. (*G. C.* 1892 v. xi., p. 535.) *S.* A garden hybrid between *C. imbricata* × and *C. superba*. (F. Sander & Co.)

**Cattleya hardyana**, Rehb. f. var. **gardeniana**, Hort. (*L.* v. 8, p. 37, pl. 353.) *S.* A fine form with rose-coloured sep. and pet., and a yellow lip with the apical part deep magenta-purple. (Garden.)



**Cattleya labiata**, Lindl. var. **marmorata**. (*G. C.* 1892, v. xi., p. 816.) S. A variety of the plant known in gardens as *C. Warneri*, with mottled flowers. (J. T. Gabriel.)

**Cattleya labiata**, Lindl. var. **Sanderæ**. (*G. C.* 1892, v. xii., p. 567; *Gard.* xlii., p. 417.) S. A large-flowered variety with blush-white segments and a deep crimson labellum, margined with white. (F. Sander & Co.)

**Cattleya leucoglossa**. (*G. C.* 1892, v. xii., p. 566; *J. of H.* 1892, v. xxv., p. 413, fig. 56.) S. A garden hybrid between *C. fausta* × and *C. Loddigesii*. (J. Veitch & Sons.)

**Cattleya Minacia**. (*G. C.* 1892, v. xii., p. 379.) S. A garden hybrid between *C. Loddigesii* and a variety of *C. labiata*. (J. Veitch & Sons.)

**Cattleya oweniana**, Hort. Sand. (*G. C.* 1892, v. xii., p. 312; *J. of H.* 1892, xxv., p. 241, fig. 33.) S. A variety of *C. labiata*, and not unlike that known as *hardyana*. It has creamy-white sepals and petals, and a lip richly marked with crimson and gold. (F. Sander & Co.)

**Cattleya Philo**. (*G. C.* 1892, v. xi., p. 535.) S. A garden hybrid between *C. iricolor* and *C. Mossiæ*. (J. Veitch & Sons.) Var. **albiflora**, p. 598.

**Cattleya Princeps**, Hort. Sander. (*G. C.* 1892, v. xi., p. 816.) S. A dull coloured variety of *C. schofieldiana*.

**Cattleya schilleriana**, Rehb. f. var. **Lowii**. (*G. C.* 1892, v. xii., p. 138; *J. of H.* 1892, v. xxv., p. 187, fig. 26.) S. A variety with fl. of a pleasing lavender-blue, the lip being streaked with a darker shade of the same colour. (H. Low & Co.)

**Cattleya schröderiana**, Rehb. f. var. **leyswoodiensis**. (*J. of H.* 1892, v. xxiv., p. 397, fig. 69.) S. A variety remarkable for the width and crispness of its segments, which are nearly pure white, with a blotch of orange in the throat. (J. W. Temple.)

**Cattleya speciosissima**, Hort. var. **sanderiana**. (*G. C.* 1892, v. xii., p. 312.) S. "One of the handsomest and purest of white Cattleyas." (W. R. Lee.)

**Cattleya statteriana**, Hort. (*G. C.* 1892, v. xii., p. 378; *J. of H.* 1892, v. xxv., p. 277, fig. 38.) See *C. aurea*, var. **statteriana**.

\***Cattleya Victoria-regina**, O'Brien. (*G. C.* 1892, v. xi., p. 586 and 809, figs.

115-116; *R. B. H.* 1892, p. 198, f. 20.) S. A new species very similar to *C. Leopoldi* in pseudobulb, leaf, and inflorescence. It is described as having from six to twenty flowers on a spike, each six inches across with reddish segments and a white lip, lined with rose and blotched with crimson, Brazil. (F. Sander & Co.)

**Cerastium decalvans**, Schloss & Vuk. (*G. C.* 1892, v. xii., p. 615.) Caryophyllæ. H. perennial. An interesting species, with sub-ligneous stems, and leaves covered with tufts of wool. Fl. white, numerous. May, June. Servia. (Correvon.)

\***Chamædorea stolonifera**, Wendl. (*B. M. t.* 7265.) Palmae. S. A dwarf palm with stems a yard high,  $\frac{1}{2}$  in. thick, stoloniferous; l. 10 in. long, plicate, bilobed, green; spadices axillary, branched, fl. yellow. South Mexico. (Kew.)

\***Cheiranthra parviflora**, Benth. (*B. M. t.* 7261.) Pittosporæ. G. An elegant twiner with the habit of *Sollya heterophylla*, the stems being wiry, the l. linear, and the fl. solitary on short lateral branches, 1 in. across, star-shaped, purple. W. Australia, (Kew.)

\***Chionodoxa Luciliæ**, Boiss. var. **Alleni**. Whittall. (*Gard.* 1892, v. xlii., p. 17.) Liliacæ. H. A beautiful large-flowered form, with blue, white and pink fl. March. Mt. Taurus. (Whittall, Kew.)

\***Chirita depressa**, Hook. f. (*B. M. t.* 7213.) Gesneracæ. S. A dwarf species with a short rhizome, rosulate green spatulate l. and stoloniferous habit. Fl. tubular, Gloxinea-like, purple. China. (Kew.)

**Cirrhopetalum amesianum**, Rolfe. (*L. v.* 7, p. 51, pl. 314.) Orchidæ. S. An attractive species, with 4-angled bulbs, broad l., and umbels of rather large fl. The connate sepals are yellowish white, shaded with rosy-purple at the base, and the rest of the fl. is yellow. Dutch Indies. (*L'Horticulture Internationale*.)

**Cœlogyne cuprea**, Kränzlin. (*G. C.* 1892, v. xi., p. 619.) Orchidæ. S. A new species, with long onion-shaped bulbs, oblong l., and flower-stalks bearing five to eight bracts and drooping fl., which somewhat resemble a reduced fl. of *C. speciosa*. (F. Sander & Co.)

\***Colchicum Bornmülleri**, Hauss. (*G. C.* 1892, v. xii., p. 471.) Liliacæ. H. Resembling *C. speciosum*, of which it may be a mere geographical form. May. Orient. (Kew.)



- Colchicum Decaisnei**, Boiss. (*B. T. O.* 1892, p. 132; *G. C.* 1892, v. 12, p. 458.) Liliaceæ. H. bulb, allied to *C. latum*, with large rosy-purple fl. Lebanon. (Dammann & Co.)
- Coleus Penzigii**, Damm. (*Gfl.* 1892, p. 525.) Labiatae. S. A bushy species with large emerald-green, thick, fleshy l., and long spikes of blue fl. Abyssinia. (Dammann & Co.)
- Colutea melanocalyx**, Boiss. (*G. C.* 1892, v. xii., p. 669.) Leguminosæ. H. A near ally of *C. arborescens*, principally differing in the calyx and pedicels being clothed with short dark-coloured hairs. Asia Minor.
- \***Cornus Kousa**, Buerger. (*G. C.* 1892, v. xi., p. 816; *J. of H.* 1892, v. xxv., p. 11, f. 2.) Cornaceæ. H. shr. This is the plant that is known as *Benthamia japonica*, S. & Z. (J. Veitch & Sons.)
- Coryanthes macrocorys**, Rolfe. (*L. v.* 8, p. 15, pl. 342.) Orchideæ. S. A very distinct species with large, pale yellowish-white fl., spotted and dotted with purple, and having a very elongate, thimble-shaped hood at the base of the lip, streaked with purple. Peru. (*L'Horticulture Internationale.*)
- Cosmos spectabilis**, Carr. (*R. H.* 1892, p. 372, f. 114-115, and coloured pl.) Compositæ. H. annual. Garden hybrid.
- \***Costus englerianus**, Schumann. (*G. C.* 1892, v. xii., pp. 789, 696.) Scitamineæ. S. A new species with short decumbent stems, elliptic, obtuse, fleshy, dark green l. and sessile spikes of small white and yellow fl. Syn. *C. unifolius*, N. E. Br. Trop. Africa. (Kew.)
- Costus lucanusianus**, Br. & Sch. (*Gfl.* 1892, p. 481, t. 1379.) S. A tall growing species, with lanceolate acuminate l., white beneath, and terminal heads of purple fl. with a yellow middle lobe to the lip. Cameroons. (Berlin Botanic Garden.)
- Crassula Schweinfurthii**, Damm. (*Gfl.* 1892, p. 525.) Crassulaceæ. S. succulent. A dwarf tufted species with white fl. Abyssinia. (Dammann & Co.)
- \***Crinum abyssinicum**, Hochst. (*Gfl.* 1892, p. 412, f. 89.) Amaryllideæ. G. or H. H. bulb, with erect bluish-green l., and umbels of long-tubed, fragrant, white fl. Abyssinia. (Dammann & Co.)
- \***Crinum firmifolium**, Baker. (*G. C.* 1892, v. xi., p. 362.) S. bulb with lorate l. 3 ft. long by  $1\frac{1}{2}$  in. broad. A scape 1 ft. long, bearing an umbel of eight flowers which are 6 in. long with narrow white (?) segments. Madagascar.
- \***Crinum jemense**, Deff. (*B. T. O.* 1892, p. 133, f. 6.) G. bulb. A handsome species with broad shining green l., and large umbels of pure white fl. Arabia. (Dammann & Co.)
- Crinum yuccæfolium**, Damm. (*Gfl.* 1892, p. 525.) G. bulb very similar to *C. abyssinica*, but smaller in every part. Abyssinia. (Dammann & Co.)
- \***Crocus Billiotii**, Maw. (*Gard.* 1892, v. xli., p. 116.) Irideæ. H. Allied to *C. aërius*, differing in having a basal spathe, and no rings on the corolla-tunic. Fl. dark rich purple, with darker blotch near the throat. February. Stauros. (Kew.)
- Crocus hyemalis**, Boiss. var. **Foxii** (Boiss.). (*Gard.* 1892, v. xli., p. 18.) H. A handsome variety, with white fl. having a yellow throat and black anthers. January. (Burbidge.)
- \***Curcuma bakeriana**, Hemsl. (*G. C.* 1892, v. xi., p. 682.) Scitamineæ. S. A new species allied to *C. australasica*, Hk. f., with larger orange-coloured fl., and club-shaped tubers. New Guinea. (F. Sander & Co.)
- \***Cusparia undulata**, Hemsl. (*G. C.* 1892, v. xii., p. 396.) Rutaceæ. S. A new species which forms a shrub or small tree with unbranched stems and palmate leaves not unlike an *Aralia*. Fl. white, in axillary racemes. Brazil. (Kew.)
- \***Cyclamen alpinum**, Damm. (*Gfl.* 1892, p. 526.) Primulaceæ. H. alpine plant. A very dwarf form, with small l., marked with white, and purple-red fl., with a blackish eye. There is also a white variety. Asia Minor. (Dammann & Co.)
- Cyclamen tauricum**, Damm. (*Dammann Cat.* 1892, p. 4.) H. A form with large l., often marked with silvery-grey, and pure white fl. Taurus. (Dammann & Co.)
- N.B.—Probably both *C. alpinum* and *C. tauricum* are forms of *C. europæum* from high elevations.
- Cyclanthus godseffianus**, Hort. Sander. (*G. C.* 1892, v. xi., p. 731.) Cyclanthaceæ. S. Name only. (F. Sander & Co.)
- Cymbidium Humblotii**, Rolfe. (*G. C.* 1892, v. xii., p. 8.) Orchideæ. S. A new species with the foliage and habit of *C. giganteum*, and a branching panicle of numerous green and black fl., recalling *Calogyne pandurata*. Madagascar. (C. Ingram.)



**Cymbidium lowianum**, Rehb. f. var. **viride**, Hort. Lewis. (*G. C.* 1892, v. xi., p. 698.) S. A variety with greenish-yellow fl. devoid of purple on the lip. (Lewis & Co.)

**Cymbidium winnianum**. (*G. C.* 1892, v. xii., p. 566.) G. A garden hybrid between *C. giganteum* and *C. eburneum*. (F. Sander & Co.)

**Cypripedium Adrastus**. (*G. C.* 1892, v. xi., p. 343.) Orchideæ. S. A garden hybrid between *C. Boxalli* and *C. leeanum*. (J. Veitch & Sons.)

**Cypripedium albertianum**. (*G. C.* 1892, v. xii., p. 672.) S. A garden hybrid between *C. spicerianum* and *C. insigne*, var. *Wallacei*.

**Cypripedium Arête**. (*G. C.* 1892, v. xii., p. 744.) S. A garden hybrid between *C. concolor* and *C. spicerianum*.

**Cypripedium Baconis**. (*G. C.* 1892, v. xi., p. 171.) S. A garden hybrid between *C. chlorops* and *C. Schlimii*. (Sander & Co.)

**Cypripedium Bijou**. (*G. C.* 1892, v. xii., p. 138.) S. A garden hybrid between *C. ananthum* and *C. lawrencianum*.

**Cypripedium bosscherianum**. (*G. C.* 1892, xi., p. 11.) A mistake for *C. debosscherianum*.

**Cypripedium Bryani**. (*G. C.* 1892, v. xii., p. 138.) S. A garden hybrid between *C. Argus* and *C. philippinense*. (N. C. Cookson.)

**Cypripedium Brysa**. (*G. C.* 1892, v. xi., p. 343.) S. A garden hybrid between *C. Sedeni* and *C. boissierianum*. (J. Veitch & Sons.)

**Cypripedium Calceolus** × **macranthos**, Barbey. (*G. C.* 1892, v. xi., p. 394.) H. A supposed natural hybrid imported from the birch forests of Western Siberia.

\***Cypripedium chamberlainianum**, O'Brien. (*G. C.* 1892, v. xi., p. 234, fig. 34.) S. A new species with the habit of *C. superbiens*. It has broad strap-shaped l., and scapes 2 ft. high, bearing large boat-shaped bracts and numerous fl. coloured rosy-purple and white; in form they are not unlike those of *C. spectabile*. New Guinea. (Sander & Co.)

**Cypripedium chamberlainianum**, O'Brien, var. **excellens**, Hort. Sander. (*G. C.* 1892, v. xi., p. 700.) S. A variety with a pale dorsal sepal. (Sander & Co.)

**Cypripedium Chrysocomes**. (*G. C.* 1892, v. xi., p. 781.) S. A garden

hybrid between *C. caudatum*, var. *roseum*, and *C. conchiferum* × (R. H. Measures.)

**Cypripedium Cleopatra**. (*G. C.* 1892, v. xi., p. 458.) S. A garden hybrid between *C. Hookera* and *C. ananthum superbum*. (C. Winn.)

**Cypripedium cowleyanum**. (*G. C.* 1892, v. xi., p. 72.) S. A garden hybrid between *C. Curtisii* and *C. niveum*. (F. G. Tautz.)

**Cypripedium Daisyæ**. (*G. C.* 1892, v. xii., p. 331; *G. and F.*, v. v., p. 460, fig. 79.) S. A garden hybrid between *C. Lowii* and *C. ananthum superbum*. (H. Graves.)

**Cypripedium debosscherianum**. (*R. H. B.* 1892, p. 6.) S. A garden hybrid between *C. spicerianum* and *C. barbatum*, var. *superbum*. (Vuyksteke.)

**Cypripedium decorum**. (*R. H. B.* 1892, p. 6.) S. A hybrid between *C. Sallieri*, var. *hycanum*, and *C. lawrencianum*. (Hye-Leysen.)

**Cypripedium Edithæ**. (*G. C.* 1892, v. xii., p. 458.) S. A garden hybrid between *C. conchiferum* and *C. Schlimii*. (F. Sander & Co.)

**Cypripedium Edith Winn**. (*G. C.* 1892, v. xii., p. 138.) S. A garden hybrid between *C. Stonei* and *C. purpuratum*. (C. Winn.)

**Cypripedium Ensign**. (*G. C.* 1892, v. xi., p. 73.) S. A garden hybrid between *C. harrisianum* and *C. barbatum*. (C. Winn.)

**Cypripedium Eurylochus**. (*G. C.* 1892, v. xi., p. 664.) S. A garden hybrid between *C. ciliolare* and *C. hirsutissimum*. (Veitch & Sons.)

**Cypripedium Evenor**. (*G. C.* 1892, v. xi., p. 664.) S. A garden hybrid between *C. Argus* and *C. bellatulum*. (J. Veitch & Sons.)

\***Cypripedium Exul**, O'Brien. (*G. C.* 1892, v. xi., p. 522, fig. 77.) S. A new species which had been described as a variety of *C. insigne*. It is not unlike *C. Druryi*, but the fl. are coloured like those of *C. insigne*. Syn. *C. insigne* var. *Exul*, Ridley; *C. insigne* var. *siamense*, Hort. (F. Sander & Co., &c.)

**Cypripedium Exul**, O'Br. var. **im-schootianum**, Rolfe. (*L.* v. 7, p. 81, p. 327.) S. A variety with a narrower white border to the dorsal sep. and narrower pet. with white tips. Siam. (L'Horticulture Internationale.)



**Cypripedium festum.** (*Gard.* 1892, v. xli., p. 26.) S. A garden hybrid between *C. barbatum* and *C. chloroneurum*. (Seeger & Tropp.)

**Cypripedium Gigas.** (*G. C.* 1892, v. xi., p. 136.) S. A garden hybrid between *C. lawrencianum* and *C. harrisianum*. (C. Ingram.)

**Cypripedium Hecla.** (*G. C.* 1892, v. xii., p. 138.) S. A garden hybrid between *C. superbiens* and *C. swanianum*. (C. Ingram.)

**Cypripedium Ianthé.** (*G. C.* 1892, v. xi., p. 343.) S. A garden hybrid between *C. harrisianum* and *C. venustum*. (J. Veitch & Sons.)

**Cypripedium johnsonianum.** (*G. C.* 1892, v. xii., p. 744.) S. A garden hybrid between *C. nitens magnificum* and *C. lawrencianum*. (F. Sander & Co.)

**Cypripedium La France.** (*Gard.* 1892, v. 41, p. 48; *O.* 1892, p. 2.) S. A garden hybrid between *C. niveum* and *C. nitens*. (Seeger & Tropp.)

**Cypripedium lawrebellum.** (*G. C.* 1892, v. xi., p. 502, and p. 560, fig. 82.) S. A garden hybrid between *C. lawrencianum* and *C. bellatulum*. (Sir T. Lawrence.)

**Cypripedium Leda.** (*G. C.* 1892, v. xi., p. 202.) S. A garden hybrid probably between *C. harrisianum* and *C. venustum*. (J. C. Bowring.)

**Cypripedium Lucie.** (*O.* 1892, p. 17, with pl.) S. A garden hybrid between *C. lawreanum* and *C. ciliolare*. (Moreau, Paris.)

**Cypripedium Perseus.** (*G. C.* 1892, v. xii., p. 622.) S. A garden hybrid between *C. Sedeni porphyreum* and *C. lindleyanum*. (J. Veitch & Sons.)

**Cypripedium southgatense.** (*G. C.* 1892, v. xi., p. 698; *J. of H.* 1892, v. xxv., p. 39, f. 6.) S. A garden hybrid between *C. bellatulum* and another. (Lewis & Co.)

**Cypripedium Sphinx.** (*O.* 1892, p. 130.) S. A garden hybrid between *C. Argus* and *C. Bozallii*. (Vuytsteke.)

**Cypripedium Stonei, Hook. var. candidum.** (*G. C.* 1892, v. xii., p. 75.) S. A variety with ivory-white flowers, the lip tinged with lilac and the petals with rose. (Pitcher & Manda.)

**Cypripedium Swinburnei.** (*G. C.* 1892, v. xi., p. 136.) S. A garden hybrid between *C. insigne* and *C. Argus*. (Heath & Son.)

**Cypripedium Telemachus.** (*G. C.* 1892, v. xi., p. 816.) S. A garden hybrid between *C. niveum* and *C. lawrencianum*. (J. Veitch & Sons.)

**Cypripedium The Gem.** (*G. C.* 1892, v. xii., p. 138.) S. A garden hybrid between *C. marmorophyllum* and *C. Chantini*. (C. Ingram.)

**Cypripedium Tityus.** (*J. of H.* 1892, v. xxv., p. 455, fig. 61.) S. A garden hybrid between *C. ananthum superbum* and *C. spicerianum*. (J. Veitch & Sons.)

**Cypripedium von molianum.** (*G. C.* 1892, v. xi., p. 502.) S. A garden hybrid between *C. spicerianum* and *C. hirsutissimum*. (L'Horticulture Internationale.)

**Cypripedium Warnero-superbiens.** (*G. C.* 1892, v. xii., p. 301.) S. A garden hybrid between the two species indicated in the name. (H. Graves.)

**Cypripedium youngianum, var. superbum.** (*G. C.* 1892, v. xii., p. 138.) S. A garden hybrid between *C. philippinense* and *C. superbiens*. (N. C. Cookson.)

**\*Cyrtanthus Galpini, Baker.** (*Kew Bull.* 1892, p. 83.) Amaryllidæ. G. A new species allied to *C. sanguineus* with large bright red fl., which are developed before the l. in August. Transvaal. (Kew.)

**Cyrtomium falcatum, Sw. var. pendulum, Veitch.** (*Veitch Cat.* 1892, p. 8.) Filices. G. Differs from the type in its pendulous habit and narrower pinnae. (J. Veitch & Sons.)

**Cyrtosperma ferox, Lind. & Br. (Ill. H. v. 39, p. 59, pl. 153.)** Aroideæ. S. A remarkable looking foliage plant with prickly petioles and scapes, arrow-shaped leaves, and greenish-white spathes. Borneo. (L'Horticulture Internationale.)

**Cytisus schipkænsis, Dieck. (Cat. Nat. Arb. Zösch. 1892, p. 15.)** Leguminosæ. H. shr. A dwarf species about a foot high with white fl. Balkan Mountains. (Zösch Arboretum.)

**Dendrobium Adrasta. (G. C. 1892, v. xi., p. 503.)** Orchidæ. S. A garden hybrid between *D. Pierardii* and *D. superbum*. (J. Veitch & Sons.)

**Dendrobium barbatulo-chlorops, Rolfe. (G. C. 1892, v. xi., p. 298.)** S. A supposed natural hybrid between the two species indicated in the name. (Major-Gen. Berkeley.)



**Dendrobium bigibbum**, Lindl. var. **albomarginatum**, L. Lind. (*L.* v. 7, p. 61, pl. 317.) S. A variety with whitish edges to the fl. (*L'Horticulture Internationale*.)

**Dendrobium burfordiense**. (*G. C.* 1892, v. xii., p. 744.) A garden hybrid between *D. linawianum* and *D. aureum*, which are also the parents of *D. dulce*. (Sir T. Lawrence.)

**Dendrobium chrysocephalum**, Kränzlin. (*G. C.* 1892, v. xii., p. 122.) S. A new species with golden-yellow fl. very similar to *D. viride-roseum*, Rehb. f., but with a different lip. (Prince Liechtenstein.)

**Dendrobium densiflorum**, Wall. var. **clavatum**, Rolfe. (*G. C.* 1892, v. xi., p. 394.) S. A variety with clavate pseudobulbs and white and yellow fl. Shan States. (F. Sander & Co.)

**Dendrobium dulce**. (*G. C.* 1892, v. xi., p. 214.) S. A garden hybrid between *D. linawianum* and *D. aureum*, which are also the parents of *D. burfordiense*. (J. Veitch & Sons.)

**Dendrobium euosmum leucopterum**. (*G. C.* 1892, v. xi., p. 343.) S. A garden hybrid between *D. nobile* and *D. endocharis*. (J. Veitch & Sons.)

**Dendrobium Euryclea**. (*G. C.* 1892 v. xi., p. 503.) S. A garden hybrid between *D. lituiflorum* and *D. wardianum*. (J. Veitch & Sons.)

**Dendrobium Nestor**. (*G. C.* 1892, v. xi., p. 718.) S. A garden hybrid between *D. Parishii* and *D. superbum*, var. *anosmum*. (C. Winn.)

**Dendrobium obrienianum**, Kränzlin. (*G. C.* 1892, v. xi., p. 266.) S. A new species with small yellowish-green fl. Philippine Islands. (F. Sander & Co.)

**Dendrobium Phalænopsis**, Fitzg. var. **rothschildiana**, Kränzlin. (*G. C.* 1892, v. xii., p. 668.) S. A variety with fl. 4 in. broad, snow-white, the lip light pink with darker lines on the disc. (Lord Rothschild.)

**Dendrobium Rolfeæ**. (*G. C.* 1892, v. xi., p. 522.) S. A garden hybrid between *D. primulinum* and *D. nobile*. (F. Sander & Co.)

**Dendrobium striatum**. (*G. C.* 1892, v. xii., p. 566.) S. A garden hybrid between *D. japonicum* and *D. dalhousianum*. (J. Veitch & Sons.)

**Dendrobium wardianum**, var. **album**, Will. (*W. O. A.* v. 10, pl. 450.) S. A white-flowered form with orange-

yellow throat to the lip, and rather slender stems. India. (W. R. Lee Manchester.)

**Dendrobium wardiano-japonicum** (*G. C.* 1892, v. xi., p. 343.) S. A garden hybrid between the two species indicated in the name. (J. Veitch & Sons.)

**Dianthus brivatensis**. (*Jard.* 1892, v. 6, p. 174.) Caryophyllæ. H. per. A garden hybrid between *D. superbus* and *D. barbatus*. (Blanchard.)

\***Dianthus callizonus**, Seb. and Kotsch. (*B.M.* t. 7223.) H. perennial. The showiest of the dwarf alpine species. The plant is tufted, with pointed glaucous l. The fl. are large, 2 in. in diam., deep rosy-purple with a darker zone around the throat. June. Transylvania. (Kew.)

\***Dianthus Freynii**, Vandas. (*G. C.* 1892, v. xi., p. 692.) H. perennial. A dwarf alpine species with linear glaucous l. and purple fl.  $\frac{3}{4}$  in. in diam. May. Bosnia. (Kew.)

**Dichorisandra angustifolia**, Lind. & Rod. (*Ill. H.* v. 39, p. 81, pl. 158.) Commelinaceæ. S. foliage plant, with lanceolate acute l. 4-6 in. long, dark green marked with numerous transverse white streaks between the nerves, purple beneath. Ecuador. (*L'Horticulture Internationale*.)

**Dichorisandra musaica**, Koch. and Lind., var. **gigantea**. (*G. C.* 1892, v. xi., p. 696.) S. A variety with stems 2 ft. high, and l. 9 in. long by 5 in. broad. (*L'Horticulture Internationale*.)

**Didymocarpus lacunosa**, Hook. f. (*B.M.* t. 7236.) Gesneraceæ. S. A new species allied to *D. crinita*, Jack, from which it differs in habit, and colour of its fl. It is a lovely little plant with ovate cordate l. and a Streptocarpus-like inflorescence, the fl. are tubular,  $1\frac{1}{2}$  in. long, nodding, violet-blue. Penang. (J. Veitch & Sons.)

**Dieffenbachia Meleagris**, Lind. & Rod. (*Ill. H.* v. 39, p. 89, pl. 159.) Aroideæ. S. foliage plant. A slender species, with mottled petioles, and lanceolate acuminate, dark-green l., marked with a few white spots. Ecuador. (*L'Horticulture Internationale*.)

**Dieffenbachia Olbia**, Lind. & Rod. (*Ill. H.* v. 39, p. 31, pl. 148.) S. A fine foliage plant, with large oblong-lanceolate, dark-green l., feathered with white along the midrib, and spotted with yellow-green and white. Peru. (*L'Horticulture Internationale*.)



**Dieffenbachia picturata**, Lind. & Rod. (*Ill. H.* v. 39, p. 101, pl. 162.) S. foliage plant with ovate-oblong, acute l., of a dark green spotted with white. Venezuela. (L'Horticulture Internationale.)

**Digitalis ciliata**, Traut. (*G. C.* 1892, v. xii., p. 614.) Scrophularineæ. H. Nearly allied to *D. grandiflora*, but differing in its campanulate fl. and hairy calyx. June to September. Caucasus. (Correvo.)

**Diosma Wendlandi**, Carr. (*R. H.* 1892, p. 155.) Rutaceæ. G. A dwarf shrub with slender branches, closely beset with small, narrow l., and ending in heads of numerous white fl. South Africa. (Gentilhomme, Vincennes.)

**Dipladenia atropurpurea**, A. DC., var. **Clarkei**, Hort. Sander. (*G. C.* 1892, v. xi., p. 763.) Apocynaceæ. S. This is typical *D. atropurpurea*, as represented in *Bot. Reg.* 1843, t. 27. It has also been exhibited by Messrs. F. Sander & Co. as *D. Marie Henrietta*. (See *Kew Bull.* 1891, App. II., p. 42.)

\***Disa Cooperi**, Rehb. f. (*G. C.* 1892, v. xii., p. 268, fig. 45; *B. M.* t. 7256.) Orchideæ. S. Apparently a free growing plant with lanceolate green l. 7 in. long, and erect scapes 1 ft. high, the lower part clothed with leafy bracts, the upper with fragrant long-spurred fl. of a rosy-carmine with yellow lip. S. Africa. (F. Sander & Co.)

\***Disa incarnata**, Ldl. (*G. C.* 1892, v. xi., pp. 343, 618, fig. 88; *B. M.* t. 7243.) S. A pretty plant with lanceolate l., spotted with red at the base; scape a foot high, bearing numerous orange-red fl., nearly an inch across. Madagascar. (W.-L. Lewis & Co.)

**Dracæna Coulingii**. (*Gard.* v. xli., p. 430.) Liliaceæ. S. "A hybrid between *D. mooreana* and *D. terminalis* " *alba*, the leaves narrower but longer than those of the latter, and variegated green and white. Probably a "*Cordylina*." (J. Veitch & Sons.)

**Dracæna sanderiana**, Hort. Sander. (*G. C.* 1892, v. xi., p. 731.) S. "Leaves narrow lanceolate, sheathing "at the base, green striped with white." (F. Sander & Co.)

**Echeveria Fulini**, Thomayer. (*R. H.* 1892, p. 362.) Crassulaceæ. G. succulent, suitable for summer bedding. A seedling variety of *Cotyledon metallica*. (Thomayer.)

**Echidnopsis dammanniana**, Damm. (*W. G.* 1892, p. 351, f. 59; *Gfl.* 1892, p. 526, f. 107; *Jard.* 1892, v. 6, p. 251,

with fig.) Aselepiadeæ. G. or S. succulent. Very similar to *E. cereiformis*, but with brown fl. Abyssinia. (Dammann & Co.)

\***Emmenanthe penduliflora**, S. Wats. (*G. C.* 1892, v. xi., p. 339, fig. 49.) Hydrophyllaceæ. A handsome hardy annual, 2 ft. high. L. deeply cut, and covered with sticky hairs. Fl. in loose panicles, bell-shaped, and of a cream or yellow colour. July. California. (Veitch & Sons, Exeter.)

**Epidendrum capartianum**, L. Lind. See *E. godseffianum*.

**Epidendrum godseffianum**, Rolfe. (*G. C.* 1892, xi., p. 136.) Orchideæ. S. A new species of the section *Encyclium*, with stout long bulbs and long branching racemes of brown, white, and rose-purple fl. Syn. *E. capartianum*, L. Lind. (*L.* v. 7, p. 93, pl. 333.) Brazil, S. (Sander & Co., L'Horticulture Internationale.)

**Epidendrum mantinianum**, Rolfe. (*Ill. H.* v. 39, p. 43, pl. 150.) S. A dwarf species with glaucous green l., and large solitary fl., pale whitish-green marked with purple-brown dots on the veins of the sep. and pet., and with larger markings on the acute lip. (L'Horticulture Internationale.)

**Epidendrum Ortgiesi**, Rgl. (*Gfl.* 1892, p. 139.) S. A showy species with 1 to 2 strap-shaped l., and a raceme of rather large fl. Sep. and pet. red with a white border, lip purple. (St. Petersburg Botanic Gardens, received from Sander & Co. as *E. amabile*.)

\***Epidendrum watsonianum**, Sander. (*G. C.* 1892, v. xi., p. 214.) S. A new species, allied to *E. godseffianum*. Brazil, S. (Sander & Co.)

**Eria laucheana**, Kränzlin. (*G. C.* 1892, v. xi., p. 809.) Orchideæ. S. A new species near *E. dillwyniana*, Hook. It has a drooping raceme of green and purple fl. (Prince Liechtenstein.)

**Eria vestita**, Ldl. (*G. C.* 1892, v. xii., p. 138.) S. A tall-growing plant with lanceolate fleshy l., and long pendent racemes of white fl., the whole plant clothed with bright red-brown hairs. (? = *E. velutina*, Ldl.) (C. J. Lucas.)

\***Eritrichium nothofulvum**, A. Gr. (*W. G.* 1892, p. 439, f. 70.) Boraginæ. H. annual; in general appearance very like a Forget-me-not, with sweet scented white fl. California. (Hillebrand & Bredemeier, Palanza.)



**Eucharis Clibrani.** See *Urceocharis Clibrani*.

\***Eulophia Mackenii**, Rolfe. (*G. C.* 1892, v. xii., p. 583.) Orchideæ. S. A new species closely resembling *E. maculata*, Rehb. f., but with broader leaves and flower segments. Natal. (Kew.)

**Eulophiella Elizabethæ**, Lind. and Rolfe. (*L. v.* 3, p. 77, pl. 325; *Journ. O. v.* 3, p. 96, f. 11, and p. 101.) Orchideæ. S. This is a fine large *Eulophia* with white fl. having a yellow lip, and the back of the sep., scape, and ovaries dull purple. (*L'Horticulture Internationale*.)

**Fagus sylvatica**, L. var. *fol. striatis*, Bosc. (*G. C.* 1892, v. xii., p. 669.) Cupuliferae. H. "Discovered in a forest in Hessa. Soon after opening the l. show a regular golden striation, parallel with the nerves, and this striking appearance lasts till the l. fall off." (*Zöschén Arboretum*.)

**Fagus sylvatica Zlatia**, Späth. (*G. C.* 1892, v. xii., p. 669.) H. A form having golden-tinted l. Servia. (Späth.)

\***Fraxinus raibocarpa**, Rgl. (*W. G.* 1892, p. 211, f. 36.) Oleaceæ. H. tree of graceful habit, the l. with but few, and rather small leaflets, and the fr. sickle-shaped. Central Asia. (*Zöschén Arboretum*.)

\***Gentiana oregana**, Engelm. (*Gard.* 1892, v. xlii., p. 214.) Gentianæ. H. A stout erect species, 1-2 ft., l. ovate-oblong. Corolla broadly funnel-shaped, bright blue, allied to *G. affinis*. September. N. America. (Kew.)

\***Gladiolus armeniacus**. (*G. and F.* 1892, v., p. 318.) Irideæ. H. A handsome dwarf species with numerous small deep purplish fl. July. Armenia. (Max Leichtlin; Kew.)

\***Gladiolus oppositiflorus**, Herb. (*G. C.* 1892, v. xii., p. 552.) H. H. An interesting plant supposed to be one of the parents of the present popular race of garden gladioli (*Gaudavensis* section). It was in cultivation 50 years ago, and supposed to be from Madagascar. It has lately been found in the Transkei, S. Africa, and sent to Kew, where it flowered in October last. Its spikes are 6 ft. high, and the fl. white with purple lines.

**Gloxinia × Tapeinotès**. (*W. G.* 1892, p. 305, t. 3.) Gesneraceæ. S. A hybrid between *Tapeinotès Carolina* and some spotted *Gloxinia*. (Hübsch.)

\***Gynura sarmentosa**, D.C. (*B. M.* t. 7244.) Compositæ. S. A loose growing succulent herb with lanceolate l., reddish stems, branched above and bearing numerous heads of dull orange fl. Malaya. (Kew.)

**Gypsophila raddeana**, Rgl. (*Gfl.* 1892, p. 90, t. 1365, f. 5-8.) Caryophyllæ. H. perennial rockwork plant, of dwarf tufted habit, with small green l. and pale pink fl. Persia. (St. Petersburg Botanic Garden.)

\***Habenaria longicalcarata**, A. Rich. (*B. M.* t. 7228.) Orchideæ. G. A tall species with plantain-like radical l., erect scapes, bearing a few fl., which are  $1\frac{1}{2}$  in. in diam., white, with a pendent spur 4 or 5 in. long. Western Ghats of India. (Sir M. Grant Duff.)

\***Halesia tetraptera**, L. var. *Meehani*. (*G. and F.* 1892, v. v., p. 534, fig. 91.) Styracæ. H. A seedling variety of *H. tetraptera*, differing from the type in its distinctly rugose, thicker, pale l. and shorter-stalked, smaller-sized fl. (Meehan.)

**Heliconia spectabilis**, Lind. and Rod. (*Ill. H. v.* 39, p. 71, pl. 156.) Scitamineæ. S. per. This has green l. with a red midrib, and dull purple beneath. Tropical Asia. (*L'Horticulture Internationale*.)

**Huernia macrocarpa**, Damm. (*W. G.* 1892, p. 350, f. 58; *Gfl.* 1892, p. 526, f. 108.) Asclepiadæ. A synonym of *H. Penzigii*.

\***Huernia Penzigii**, N. E. Br. (*G. C.* 1892, xi., p. 719.) G. or S. succulent. A new species with stems 3 in. high, five-angled, with teeth nearly  $\frac{1}{2}$  in. long. Fl. in sessile cymes, 1 in. wide, campanulate black-purple. Syn. *H. macrocarpa*, Damm. Abyssinia. (T. Hanbury.)

\***Hydnophytum Forbesii**, Hook. f. (*B. M.* t. 7218.) Rubiaceæ. S. A new species closely allied to *H. formicarum*, but the swollen part of the stem is echinate. Fl. long, tubular, white; fr. red, egg-shaped. New Guinea. (Kew.)

**Impatiens Micholitzii**, Hort. (*W. G.* 1892, p. 342.) Geraniaceæ. S. A dwarf bushy species with white or rosy fl. having a deep rose-coloured eye. New Guinea.

**Ipomœa Bronsoni**. (*G. and F.* 1892, v. v., p. 345.) Convolvulaceæ. "A rapid grower with white stems, gouty at the base. Fl. not seen." Cuba. (Thorburn & Co.)



- \**Iris asiatica*, Stapf. (*Gard.* 1892, xli., p. 121, fig.) Iridææ. H. per. An undescribed plant, but probably a variety of *I. pallida*. (Van Tubergen.)
- Iris Madonna*, Spr. (*B. T. O.* 1892, p. 130.) H. H. An evergreen species, with large lilac-blue fl. Arabia. (Dammann & Co.)
- Iris maricoides*, var. *purpurea*, Spr. (*B. T. O.* 1892, p. 129.) H. H. A garden variety with large purple fl. Syria. (Dammann & Co.)
- \**Iris nepalensis*, D. Don, var. *Letha*, Foster. (*G. C.* 1892, v. xii., p. 458.) A very distinct and new variety of *I. nepalensis*, differing in its sessile and very fragrant flowers. Summer. Upper Burmah. (M. Foster.)
- Iris paravid.* (*Gard.* 1892, v. xli., p. 459.) An interesting hybrid raised by Prof. Foster, between *I. iberica* and *I. paradoxa*. May. (M. Foster.)
- \**Ixiolirion macranthum*, Hort. (*W. G.* 1892, p. 346.) Amaryllidææ. H. or G. bulb. A fine form with deep blue fl. shaded with purple. (Max Leichtlin.)
- Ixiolirion Sintenisii*, Hort. (*W. G.* 1892, p. 346.) H. or G. A species with blue fl. lighter than those of *I. macranthum*. (Max Leichtlin.)
- Ixora salmonea*, Bull. (*Bull. Cat.* 1892, p. 3.) Rubiacææ. S. A garden variety with salmon and buff fl. (W. Bull.)
- \**Kalanchoe marmorata*, Baker. (*G. C.* 1892, v. xii., p. 300.) Crassulacææ. G. A new species allied to *K. schimperiana*, Rich. It is perennial, with leafy stems, obovate cuneate l. 4 in. long, green blotched with brown. Cymes few flowered, corolla tube 2 in. long, limb 2 in. wide, white. Abyssinia. (T. Hanbury.)
- Kniphofia Nelsoni*, Mast. (*G. C.* 1892, v. xi., p. 554, fig. 83.) Liliacææ. G. or H. ? A distinct species resembling *K. triangularis*. L. spreading  $1\frac{1}{2}$  feet long, 3-nerved. Scape 2 ft. high, slender. Fl. densely crowded, brilliant orange-scarlet. Orange Free State. (Nelson.)
- \**Kniphofia pauciflora*, Baker. (*B. M.* t. 7269; *G. C.* 1889, v. ii., p. 65, f. 10.) A doubtful hardy species distinguished from most of the genus by its slender habit, narrow l., lax racemes, and pale yellow fl. March to July. Natal. (Kew.)
- Labisia smaragdina*, Lind. and Rod. (*Ill. H.* v. 39, p. 91, pl. 160.) Myrsinææ. S. An attractive species, almost stemless, with a rosette of oblanceolate, obtuse, bright green l., and panicles of pretty pink fl. Borneo. (L'Horticulture Internationale.)
- Lælia anceps*, Ldl. var. *oweniana*. (*G. C.* 1892, v. xii., p. 744; *J. of H.* 1892, v. xxv., p. 569, fig. 77.) Orchidææ. G. A large richly coloured variety, the fl. being flaked with white. (G. D. Owen.)
- Lælia elegans*, Rehb. f. var. *excellens*. (*G. C.* 1892, v. xii., p. 566.) G. A variety coloured like that known as *Turneri*, but with the folded portion of the lip pure white. (T. Statter.)
- Lælia Latona*. (*G. C.* 1892, v. xi., p. 598.) G. A garden hybrid between *L. cinnabarina* and *L. purpurata*. (J. Veitch & Sons.)
- Lælia oweniana*. (*G. C.* 1892, v. xii., p. 191.) G. A garden hybrid between *L. pumila*, var. *dayana*, and *L. xanthina*. (F. Sander & Co.)
- Lælia purpurata*, Ldl. var. *handleyana*. (*G. C.* 1892, v. xi., p. 700.) S. A dark coloured variety. (J. Cypher & Son.)
- Lælio-Cattleya Ingramii*. (*J. of H.* 1892, v. xxv., p. 141, fig. 20.) Orchidææ. S. A garden hybrid between *Lælia pumila dayana* and *Cattleya aurea*. (C. N. L. Ingram.)
- Lælio-Cattleya Phœbe*. (*G. C.* 1892, v. xi., p. 598.) G. A garden hybrid between *Lælia cinnabarina* and *Cattleya Mossiæ*. (N. C. Cookson.)
- Lælio-Cattleya marriottiana*. (*G. C.* 1892, v. xi., p. 503.) G. A garden hybrid between *Lælia flava* and *Cattleya Skinneri*. (Sir W. Marriott.)
- Lagenaria virginalis*, Damm. (*G. C.* 1892, v. xi., p. 85, fig. 16.) Cucurbitacææ. S. A variety of the Bottle Gourd. (*L. vulgaris*) with waxy white fr. (Dammann & Co.)
- Leopoldinia laucheana*. (*G. C.* 1892, v. xi., p. 731.) Palmææ. S. Name only. (F. Sander & Co.)
- Leptotes bicolor*, Ldl. var. *brevis*, Rolfe. (*G. C.* 1892, v. xi., p. 42.) Orchidææ. G. A variety of *Tetramicra bicolor*, Bth., differing from the type in having shorter segments and a white lip. (B. S. Williams & Son.)



**Lilium primulinum**, Baker. (*B. M.* t. 7227.) Liliaceæ. G. or H. H. A new species allied to *L. nepalense*, which it resembles in growth and foliage, but the fl. are pale yellow tinged with green outside, and are produced in a terminal umbel. Upper Burmah. (H. Low & Co.)

\***Lilium sulphureum**, Baker. (*B. M.* t. 7257.) G. or H. H. This is the correct name for the plant cultivated under the names of *L. wallichianum*, var. *superbum*. (*Kew Bull.* 1890, App. II., p. 49), and *L. ochroleucum*.

**Lissochilus Græfei**, Kränzlin. (*G. C.* 1892, v. xi., p. 749.) Orchideæ. S. A new species in the way of *L. Krebsii*. It has lanceolate plicate l. and a scape 4 ft. high, bearing about 20 fl. coloured green, brown, and yellow. (Dr. H. Græfe, Berlin.)

**Lonicera syringantha**, Maxim. (*Gfl.* 1892, p. 564, f. 115–116.) Caprifoliaceæ. H. shr. with pairs of small oblong obtuse l., and axillary pale pink fl. about  $\frac{1}{2}$  in. long. North China. (St. Petersburg Botanic Garden.)

**Lycopodium mooreanum**, Baker. (*G. C.* 1892, v. xii., p. 582.) Lycopodiaceæ. S. A new species allied to *L. reflexum*, with stems a foot long, erect, forked, l. crowded, short, pale green. Sporangia in the axils of the l. Brazil. (F. Sander & Co.)

**Maranta sanderiana**, Hort. Sander. (*G. C.* 1892, v. xi., p. 731.) Scitamineæ. S. An ornamental foliage plant in the way of *M. rosea-lineata*, but with much larger l. (F. Sander & Co.)

\***Marica occidentalis**, Baker. (*G. C.* 1892, v. xii., p. 150.) Irideæ. S. A new species resembling *M. northiana*, but the fl. is not so large and the l. are shorter. Peru. (Kew.)

**Masdevallia Cassiope**. (*G. C.* 1892, v. xi., p. 749.) Orchideæ. G. A garden hybrid between *M. triangularis* and *M. harryana*. (Capt. Hincks.)

**Masdevallia caudata** × **Estradæ**. (*G. C.* 1892, v. xi., p. 664.) G. A garden hybrid between the two species indicated in the name. (F. Wigan.)

**Masdevallia falcata**. (*G. C.* 1892, v. xi., p. 764.) G. A garden hybrid between *M. Lindenii* and *M. veitchiana*.

**Masdevallia harryana**, var. **Gravesiæ**, Hort. (*G. C.* 1892, v. xii., p. 122, fig. 21.) G. A variety with pure white fl. (H. Graves, New Jersey.)

**Masdevallia McVitiæ**. (*G. C.* 1892, v. xii., p. 744.) G. A garden hybrid between *M. towarensis* and *M. Veitchii*. (W. Thompson.)

**Masdevallia shuttryana**. (*G. C.* 1892, v. xi., p. 764.) G. A garden hybrid between *M. caudata* (*Shuttleworthii*) and *M. harryana*. (Sir F. Lawrence.)

\***Microstylis Scottii**, Hook f. (*B. M.* t. 7268.) Orchideæ. S. A dwarf species with fleshy green stems. L. deciduous lanceolate, 5 in. long, wavy, brown with a green marginal band. Scapes erect, 6 in. long, bearing numerous small green and purple fl. Malaya. (Kew.)

**Miltonia Clowesii gigantea**, O'Brien. (*G. C.* 1892, xii., p. 552.) Orchideæ. S. A variety with shorter scapes and larger fl. than the type. (Major Mason.)

**Mimosa Spegazinii**, Pirotta. (*B. T. O.* 1892, p. 163.) Leguminosæ. G. shr. A new sensitive plant, armed with prickles at the base of the l., which have but one pair of pinnae, bearing numerous leaflets. Fl. in globose heads in terminal racemes, with pale violet stamens. Pods 3–4 seeded, prickly. Argentine. (Botanic Garden, Rome.)

\***Monodora grandiflora**, Benth. (*B. M.* t. 7260.) Anonaceæ. S. Although this is a well-known plant in botanical gardens, it has not been known to flower under cultivation till last year, when it bloomed in the palm house at Kew.

**Mormodes buccinator**, Ldl. var. **aurantiacum**, Rolfe. (*Ill. H.* v. 39, p. 11, pl. 144.) Orchideæ. S. A variety with orange sep. and pet. and a yellow lip. Peru. (L'Horticulture Internationale.)

**Musa Martini**, André. (*R. H. B.* 1892, p. 107, f. 12.) Scitamineæ. S. A form with reddish petioles and nerves, and the upper side of the l. glaucous green, underside clear green. Fl. bright rose. Introduced into France from Tenerife.

\***Nemesia strumosa**, Benth. (*G. C.* 1892, v. xii., p. 269, fig. 48; *B. M.* t. 7272.) Scrophulariæ. A charming hardy annual, 1–2 feet high, covered with glandular hairs. L. lanceolate toothed, fl. in corymbs,  $\frac{3}{4}$ –1 in. diam., very variable in colour, being white, ochreous, pale yellow, orange, scarlet, carmine, or rosy-purple, &c. August. Cape. (Sutton & Sons.)

**Nephrolepis davallioides**, Kze. var. **multiceps**. (*G. C.* 1892, v. xii., p. 249.) Filices. S. A variety with crusted pinnae. (H. B. May.)



- \**Nicotiana tomentosa*, R. & P. (*B.M.* t. 7252.) Solanaceæ. G. The corrected name for the plant known as *N. colossea*. Brazil.
- \**Nymphæa Laydekeri rosea*. (G. and F. v. v., p. 280.) Nymphaeaceæ. H.? Said to be a garden hybrid. It has small l., green above, reddish below, and rosy-pink fl., twice as large as those of *N. pigmaea*. (Marliac.)
- Odontoglossum andersonianum*, Rehb. f. var. *pulcherrimum*, O'Brien. (*G. C.* 1892, v. xi., p. 586.) Orchideæ. G. A very fine variety, with long curling segments, pale yellow, with brown-red blotches. (R. B. White.)
- Odontoglossum Bleui*, God. Leb. var. *splendidissimum*. (*G. C.* 1892, v. xi., p. 698.) G. Another name for *Miltonia Bleui*, God. Leb. (*Kew Bull.* App. II. 1890, p. 50.)
- Odontoglossum crispum*, Lindl. var. *nobilius*. (*J. of H.* 1892, v. xxiv., p. 220, fig. 34.) G. An exceptionally large-flowered variety with broad segments, each marked with large confluent blotches of reddish-brown on a white ground. (Baron Schröder.)
- Odontoglossum crispum*, Lindl. var. *Rex*. (*Gard.* v. xli., p. 546.) G. One of the finest varieties, the fl. being very large, with broad rose-tinted segments heavily blotched with chestnut. (Baron Schröder.)
- Odontoglossum crispum*, Lindl. var. *Sanderæ*. (*G. C.* 1892, v. xi., p. 698; *J. of H.* 1892, v. xxiv., p. 441, fig. 76.) G. A variety with large, crisped, heavily spotted fl. (F. Sander & Co.)
- Odontoglossum crispum*, Lindl. var. *xanthotes*, Hort. (*L.* v. 7, p. 51, pl. 312.) G. A variety with white fl. spotted with yellow. Columbia. (Baron Schröder.)
- Odontoglossum owenianum*, Rolfe. (*G. C.* 1892, v. xi., p. 535; and v. xii., p. 178.) G. A new species with white fl. tinged with yellow and blotched with brown, lip pure white. Colombia. (F. Sander & Co.)
- Odontoglossum Pescatorei*, Linden, var. *Lindenizæ*, Hort. (*L.* v. 7, p. 85, pl. 329.) G. A form with one large purple blotch on the disc of each sep. and pet. (*L'Horticulture Internationale*.)
- Odontoglossum platycheilum*, J. Weathers. (*G. C.* 1892, v. xi., p. 587, fig. 84; and v. xii., p. 35.) G. A new species with ovate monophyllous bulbs, semi-erect l., and a short scape bearing one or two fl. which are 2 in. across, creamy-white, the large lip coloured soft pink, with spots of purple. ? Cent. America. (R. J. Measures.)
- Odontoglossum triumphans*, Rehb. f. var. *aureum*, Will. (*W. O. A.* v. 10, pl. 460.) G. A distinct variety with yellow fl., which are blotched with orange-yellow instead of brown. Columbia. (A. H. Smee.)
- Odontoglossum wilckeanum*, Rehb. f. var. *nobilior*, Hort. (*G. C.* 1892, v. xi., p. 700.) G. A variety with paler coloured fl. than the type. (Charlesworth & Co.)
- Oncidium enderianum*, Hort. Sander. (*G. C.* 1892, v. xii., p. 75.) Orchideæ. G. A supposed natural hybrid between *O. crispum* and *O. curtum*. (F. Sander & Co.)
- \**Oncidium gravesianum*, Rolfe. (*G. C.* 1892, v. xi., pp. 535, 650, fig. 94.) S. Very near, if not identical with, *O. pratextum*. It has branched panicles of yellow and brown fl. 2 in. in diameter. S. Brazil. (F. Sander & Co.)
- Oncidium rolfeanum*, Sander. (*G. C.* 1892, v. xii., p. 34.) G. A new species of the *Microchila* section and allied to *O. kienastianum*, with a long branching raceme of yellow and brown fl. Colombia. (F. Sander & Co.)
- Oncidium saintlegerianum*, Rolfe. (*G. C.* 1892, v. xii., pp. 582, 672.) G. A new species allied to *O. bifolium*, Sims., with oblong pseudobulbs, linear lanceolate l. 8 in. by 1 in.; scape 18 in. long, bearing several fl., which are yellow, with a large conspicuous crest coloured bright purple. S. Brazil. (F. Sander & Co.)
- Onobrychis laconica*, Orph. (*G. C.* 1892, v. xii., p. 615.) Leguminosæ. H. A very beautiful species, with large bright pink fl., and glaucous foliage. Summer. Servia. (Correvon.)
- Oreopanax sanderianum*, Hemsli. (*G. C.* 1892, v. xi., p. 718.) Araliaceæ. S. A new species, similar in habit to *Fatsia papyrifera*. L. mostly three-lobed, but variable in shape, leathery in texture, green. Fl. small in globose heads. Guatemala. (F. Sander & Co.)
- \**Pandanus dyerianus*, Hort. (*G. C.* 1892, v. xi., p. 731.) Pandanæ. S. A variegated form of *P. inermis*. Also called *P. Baptistii*. (F. Sander & Co.)



**Pandanus pacificus**, Veitch. (*G. C.* 1892, v. xi., p. 664.) *S.* A distinct-looking plant with broad shining green l., the margins clothed with fine spines, and the apices narrowed abruptly to a long tail-like point. Pacific Islands. (J. Veitch & Sons.)

\***Pasithea cærulea**. D. Don. (*B. M.* t. 7249.) *Liliaceæ*. *G.* An old plant introduced by Herr Max Leichtlin a few years ago, and flowered at Kew for the first time last year. It is allied to the *Asphodels*, and has grassy l., with long branched scapes of blue star-shaped fl. Chili. (Kew.)

**Pelargonium multibracteatum**, Damm. (*W. G.* 1892, p. 477, f. 78.) *Geraniaceæ*. *G.* An attractive species with trailing stems, deeply lobed l., of a bronzy-green marked with a dark zone, and numerous umbels of white fl. Abyssinia. (Dammann & Co.)

\***Pelexia Travassosii**, Rolfe. (*G. C.* 1892, v. xi., p. 330.) *Orchideæ*. *S.* A new species with olive green l. spotted with white, and erect scapes, a foot high, of white fl. Brazil. (Kew.)

**Pelexia wendlandiana**, Kränzl. (*G. C.* 1892, v. xi., p. 426.) *S.* A new species with a stem 2 ft. high, bearing a spike of greenish-brown fl. with a white lip. It is of no horticultural interest. (Herrenhausen.)

\***Peperomia inquilina**, Hemsl. (*G. C.* 1892, v. xii., p. 428.) *Piperaceæ*. *S.* A small trailing species with red stems, and small fleshy, orbicular, green l. Central America. (W. Lees.)

**Peperomia metallica**, Lind. and Rod. (*Ill. H.* v. 39, p. 79, pl. 157.) *S.* herb, about a foot high, with alternate dark green l., with a pale greenish stripe along the midrib, and veined with reddish beneath. Peru. (*L'Horticulture Internationale*.)

**Peristeria Lindeni**, Rolfe. (*L.* v. 7, p. 83, pl. 328; *J. O.* v. 3, p. 97, f. 12, and p. 101.) *Orchideæ*. *S.* A distinct plant with broad plicate l. and short racemes of globose fl. The light ground colour is washed with dark purple, and thickly spotted with a darker purple. (*L'Horticulture Internationale*.)

**Phaius hybridus**. (*G. C.* 1892, v. xi., p. 519.) *Orchideæ*. *S.* A garden hybrid between *P. grandifolius* and *P. Wallichii*. Sir Joseph Hooker thinks these two are merely forms of one species. (D. O. Drewett.)

\***Phaius sanderianus**. (*G. C.* 1892, v. xi., p. 598; *Gard.* v. xli., p. 430.) *S.*

A seedling or hybrid of garden origin very like *P. Wallichii*. (F. Sander & Co.)

**Phalænopsis Amphitrite**. (*G. C.* 1892, v. xi., p. 618.) *Orchideæ*. *S.* A garden hybrid between *P. stuartiana* and *P. sanderiana*. (F. Sander & Co.)

**Phalænopsis Artemis**. (*G. C.* 1892, v. xii., p. 75.) *S.* A garden hybrid between *P. amabilis* and *P. rosea*. (J. Veitch & Sons.)

**Phalænopsis schilleriana**, var. **purpurea**, J. O'Brien. (*G. C.* 1892, v. xi., p. 105.) *S.* A variety with dark rosy-purple coloured fl. (Low & Co.)

**Phyllocactus Franzii**. (*Gfl.* 1892, p. 225, t. 1370, f. 1.) *Cactææ*. *S.* A garden hybrid, origin not stated.

**Phyllocactus Pommer Eschei**. (*Gfl.* 1892, p. 225, t. 1370, f. 2.) *S.* A garden hybrid between *P. Wrayi* and *P. crenatus*, raised by Krause, Halle, Germany.

**Pleurothallis teretifolia**, Rolfe. (*G. C.* 1892, v. xii., p. 521.) *Orchideæ*. *S.* A new species allied to *P. teres*, Lindl., with narrow terete l. forming a tuft 9 in. high, and slender pendulous racemes of fleshy, brown fl. Brazil. (Charlesworth & Co.)

**Podachænum andinum**, André. (*R. H.* 1892, p. 414, f. 125-126.) *Compositæ*. *S.* A useful plant for sub-tropical bedding with large coarsely lobed l., and lax corymbs of fl.-heads with white rays and yellow disc. Andes, Columbia. (André.)

\***Podocarpus pectinatus**, Pancher. (*G. C.* 1892, v. xi., pp. 113, 563, 662; *Kew Bull.* 1892, p. 105. *Coniferaæ*. *S.* A species with silvery foliage recently introduced to Kew and St. Albans (Sander & Co.) through Mr. Moore, of the Sydney Botanic Gardens. It is a native of New Caledonia.

**Polemonium cæruleum**, L. var. **campanulatum**, Fr. (*G. C.* 1892, v. xii., p. 399.) *Polemoniaceæ*. *H.* herbaceous perennial, with pendent bell-shaped fl. of a bright lilac-blue, with golden stamens. L. pinnatifid, leaflets lanceolate. April, May. Northern Europe. (Correvoon.)

**Polygonum orientale**, L. var. **variegatum**, Carr. (*R. H.* 1892, p. 37, f. 8.) *Polygonaceæ*. *H.* An ornamental form with variegated leaves. Garden variety.



- Primula calycantha**, Leichtlin. (W. G. 1892, p. 237.) Primulaceæ. H. A new primrose with a rosette of smooth grey-green l., and many-flowered umbels of reddish-blue fl. Yunnan. (Max Leichtlin.)
- Primula finmarchica**, Jarg. (G. C. 1892, v. xii., p. 399.) A dwarf hardy perennial, nearly allied to *P. sibirica*. Fl. dark lilac. L. lanceolate. A useful species for rockeries. Summer. Lapland. (Correvon.)
- Prunus præcox**, Carr. (R. H. 1892, p. 488, f. 142, 143.) Rosaceæ. H. shrub. A garden seedling of *P. japonica*, var. *sphærica*.
- Prunus Salzeri**, Zdarek. (G. C. 1892, v. xii., p. 669.) Nearly related to *P. Padus*; fruit yellowish-white. Plant said to come true from seed. Carinthia and Styria. (Zöschchen Arboretum.)
- Pteris cristata**, Hort. (G. C. 1892, v. xii., p. 249.) Filices. S. A sporeling from *P. Victoria Reginae*. (H. B. May.)
- Pteris Reginae**, Hort. (G. C. 1892, v. xii., p. 249.) S. A sporeling from *P. Victoria Reginae*. (H. B. May.)
- Pteris tremula variegata**. (G. C. 1892, v. xii., p. 249.) S. A variety with variegated fronds. (H. B. May.)
- \***Ptychoraphis angusta**, Becc. (G. C. 1892, v. xii., p. 397, fig. 63.) Palmæ. S. An elegant little unarmed palm when young, with graceful pinnate foliage recalling *Cocos weddelliana*. It is a native of the Nicobar Islands, where it forms a slender tree 100 ft. high. (Kew.)
- \***Quercus macedonica**, A. DC. (G. C. 1892, v. xii., p. 669.) Cupuliferae. H. "A magnificent oak of the *Cerris* group bearing large edible acorns." (Zöschchen Arboretum; Kew.)
- Quercus schochiana**. (Cat. Nat. Arb. Zösch. 1892, p. 26.) H. tree. A hybrid between *Q. phellos* and *Q. palustris*. (Zöschchen Arboretum.)
- \***Ranunculus carpathicus**, Herbich. (B. M. tab. 7266.) Ranunculaceæ. H. A distinct and showy perennial species, with creeping rootstock. Stem, 1 ft. high. L. nearly orbicular in outline, palmate, and crenate. Fl. 2 in. in diam., golden-yellow. May. Eastern Hungary. (Kew.)
- Rhipsalis aculeata**, Weber. (R. H. 1892, p. 428.) Cactææ. S. succulent, with trailing cylindric stems that are slightly 8-10-angled and clothed with tufts of slender white spines. Fl. small whitish. Argentine Republic. (Jardin des Plantes, Paris.)
- Rhipsalis anceps**, Weber. (R. H. 1892, p. 427.) S. succulent. A species with long, narrow, flat or rarely triangular stems, crenulated on the margin, and having yellowish-white stems. Syn. *Lepismium anceps*, Weber. Brazil. (Jardin des Plantes, Paris.)
- Rhipsalis capilliformis**, Weber. (R. H. 1892, p. 425.) S. succulent. A dwarf, compact-growing species, with much branched stems, the branches short and very numerous, all pendent, and forming a tuft-like growth. Fl. lateral or subterminal, white. Brazil. (Jardin des Plantes, Paris.)
- Rhipsalis clavata**, Weber. (R. H. 1892, p. 429.) S. Something in the way of *R. salicornioides*, but with pendent stems and white fl. Syn. *Hariota clavata*, Hort. Brazil. (Jardin des Plantes, Paris.)
- Rhipsalis comorensis**, Weber. (R. H. 1892, p. 424.) S. succulent, with drooping, slender, cylindric stems of a yellowish-green, and whorls of short branches; fl. small, greenish-white. Comoro Isles. (Jardin des Plantes, Paris.)
- Rhipsalis dissimilis**, Schum. var. *setulosa*, Weber. (R. H. 1892, p. 428.) S. A variety with 5-angled stems. Syn. *R. setulosa*, Weber. Brazil. (Jardin des Plantes, Paris.)
- Rhipsalis gibberula**, Weber. (R. H. 1892, p. 426.) S. A slender species with jointed, dichotomous or whorled branches, and numerous white fl. on the sides of the branches, with the ovary immersed in the stem. Berries large, white. Brazil. (Jardin des Plantes, Paris.)
- Rhipsalis gonocarpa**, Weber. (R. H. 1892, p. 427.) S. Allied to *R. platycarpa*, with flat, crenulated stems, and white fl. about  $\frac{1}{2}$  in. in diam., with the ovary 4-5-winged. Syn. *R. pterocarpa*, Weber. Brazil. (Jardin des Plantes, Paris.)
- Rhipsalis madagascariensis**, Weber. (R. H. 1892, p. 424.) S. succulent, a much branched species, with trailing or drooping, 6-10-angled stems, about  $\frac{1}{4}$  in. thick, with tufts of white hairs along the angles; fl. very numerous, greenish. Madagascar. (Jardin des Plantes, Paris.)



**Rhipsalis salicornioides**, Haw. var. **bambusoides**, Weber. (*R. H.* 1892, p. 429.) S. A very large form, growing to 6 ft. high, with rigid erect stems something like those of a Bamboo, and orange-yellow or reddish-orange fl. Brazil. (Jardin des Plantes, Paris.)

**Rhipsalis suareziana**, Weber. (*R. H.* 1892, p. 425.) S. A much-branched trailing or drooping species, with stems of two kinds, one long and slender, the other short and very numerous, not verticillate; the young stems fusiform or 4-5-angled. Fl. small lateral. Diego Suarez. (Jardin des Plantes, Paris.)

**Rhipsalis tetragona**, Wil. (*R. H.* 1892, p. 428.) S. A dwarf species with much-branched decumbent stems, tetragonal or sometimes cylindric. Possibly the same as *R. prismatica*, but less robust. (Jardin des Plantes, Paris.)

**Rhipsalis tucumanensis**, Weber. (*R. H.* 1892, p. 426.) G. or S. A large-growing species, with stout trailing stems similar to those of *R. funalis*, cylindric or angular. Fl. solitary, of moderate size, white tipped with rosy, the ovary immersed in the stem. Argentine Republic. (Jardin des Plantes, Paris.)

**Rhipsalis virgata**, Weber. (*R. H.* 1892, p. 425.) S. A species allied to *R. minutiflora*, with cylindric, much-branched, drooping stems,  $\frac{1}{4}$  in. thick. Fl. small, white, solitary or in pairs along the branches. Brazil. (Jardin des Plantes, Paris.)

**Rhipsalis warmingiana**, Schum. (*Gfl.* 1892, p. 8, f. 5-7.) S. succulent. A species with flat or 3-4-angled stems, and white fl. about  $\frac{3}{4}$  in. in diam. Brazil. (Lindberg, Stockholm.)

**Rhipsalis zanzibarica**, Weber. (*R. H.* 1892, p. 425.) S. Very similar to *R. Cassytha*, of which it is, perhaps, only a robust form. Zanzibar. (Jardin des Plantes, Paris.)

\***Rhododendron Luscombei**. (*G. C.* 1892, p. xi., p. 780.) Ericaceæ. H. A garden hybrid between *R. Fortunei* and *R. Thomsoni*, raised by the late Mr. Luscombe 12 years ago. (Kew.)

\***Rhododendron racemosum**, Hort. (*G. C.* 1892, v. xi., p. 535: v. xii., p. 62, fig. 9; *G. and F.*, v. v., p. 222; *Gard.* v. xlii., p. 320, pl. 878.) H. The plant exhibited under this name does not agree with Franchet's description, nor with the specimen in the Kew herbarium. The former is a small Box-like shrub 6 in. high, with loose ter-

minial heads of rose and white campanulate fl. nearly an inch across, and unlike some of the forms of *R. parviflorum*. Yunnan. (J. Veitch & Sons.)

**Richardia aurata**. (*Gard.* v. xlii., p. 529.) Aroideæ. G. This is said to be a garden hybrid between *R. hastata* and *R. maculata*, and is described as having spotted l. and large yellow spathes similar to those of *R. eliottiana*. (J. B. A. Deleuil.)

**Richardia eliottiana**, Hort. (*G. C.* 1892, v. xii., p. 123.) G. A yellow spathed species with spotted leaves, raised from seeds obtained from Africa by Captain Elliott about six years ago. Syn. *Calla eliottiana*. This plant was exhibited and certified three years ago.

**Richardia Pentlandi**, Hort. (*G. C.* 1892, v. xi., p. 816.) G. Apparently a distinct species with the robustness of *R. africana* and large spathes of a rich yellow colour. S. Africa. (R. Whyte.)

**Robinia neo-mexicana**, Gray, var. **luxurians**, Dieck. (*G. C.* 1892, v. xii., p. 669.) Leguminosæ. H. "This beautiful form inhabits the Colorado Plateau and the Southern Rocky Mountains. The typical form has a dwarfish habit. This variety grows mostly higher and its racemes are mostly branched. In Zöschchen it flowered twice a year, first in June, and then in August, on the "youngest branchlets." (Zöschchen Arboretum.)

**Rodriguezia Lindenii**, Cogn. (*J. O.*, v. 3, p. 10, f. 1.) Orchideæ. S. This is a synonym of *R. pubescens*, Rehb. (L'Horticulture Internationale.)

**Rosa glutinosa**, Sieb. & Sm., var. **armalensis**. (*G. C.* 1892, v. xii., p. 669.) Rosaceæ. H. "A very neat, small-leaved variety, from the mountains of Smyrna, where at a height of 1,950 to 2,294 ft. it grows in very rich soil. This shrub, not much higher than 2½ ft., is characterised by its strong uncinate spines, very similar to those of *R. Seraphini*. Its comparatively large fl. are of a whitish-red colour. A valuable acquisition for the rock garden." (Zöschchen Arboretum.)

**Rubus cæsius** L. var. **turkestanica**, Rgl. (*Gfl.* 1892, p. 106, f. 25.) Rosaceæ. H. Bramble with small and very narrow petals, and elongate berries of good flavour. Turkestan. (St. Petersburg Botanic Garden.)

**Rubus Miltspanghi**, Bailey. (*W. G.* 1892, p. 216.) H. A spineless bramble with edible fruit. N. America.



**Rubus xanthocarpus**, Bur & Franch. (*Gfl.* 1892, p. 108.) H. Bramble of dwarf habit 8-15 in. high, with white fl., solitary or in pairs in the axils of the upper l., succeeded by yellow fr. Syn. *R. Potanini*. North China. (St. Petersburg Botanic Garden.)

**Sarchochilus borneensis**, Rolfe. (*Ill. H.* v. 39, p. 99, pl. 161.) Orchideæ. S. A distinct-looking species of erect habit, with long peduncles bearing a short spike of yellowish fl., with narrow spreading sep. and pet. about  $1\frac{1}{2}$  in. long, and a spotted lip. Borneo. (L'Horticulture Internationale.)

**Scabiosa correvoniana**, Sommier. (*G. C.* 1892, xii., p. 614.) Dipsacæ. H. A handsome bushy species with erect stems 7-9 in. high, bearing large heads of pale yellow fl. May, August. Abchasia. (Correvon.)

\***Schizocodon soldanelloides**, S. & Z. (*Gard.* 1892, v. xli., p. 314.) Diapensiaceæ. H. alpine 2-4 in. high, l. small, evergreen, ovate, toothed, fl. fringed like those of *Soldanella*, deep rose in centre, shading to bluish-white. April. Japan. (Capt. Torrens.)

**Scilla bipartita**, Salz. (*Gfl.* 1892, p. 609.) Liliaceæ. G. bulb. A dwarf winter flowering species with spikes of porcelain-blue fl. Morocco. (Dammann & Co.)

**Sempervivum Thomeyeri**. (*W. G.* 1892, p. 117.) Crassulaceæ. H. A garden hybrid between *S. hirtum* and *S. arachnoideum*, raised by Mr. Thomeyer, of Prague. (Correvon.)

\***Senecio Galpini**, Hook. f. (*B. M. t.* 7239; *J. of H.* 1892, p. 3.) Compositæ. A new species of the section *Kleinia*. It forms a compact tuft of short barren stems and fleshy glaucous oblanceolate l. Flower-stem leafy, a ft. high, ending in a lax corymb of brilliant orange fl. Transvaal. (Kew.)

\***Senecio sagittifolius**, Baker. (*R. H.* 1892, p. 53, f. 16-17.) G. A grand species growing 7-10 ft. high, with a rosette of sagittate l. a yard long, crested along the midrib, and a large terminal panicle of flower-heads each  $1\frac{1}{2}$  in. in diam., with a white ray and yellow disc. Uruguay. (André.)

**Smilax argyrea**, Lind. and Rod. (*Ill. H.* v. 39, p. 51, pl. 152.) Liliaceæ. S. An ornamental climber with prickly stems and lanceolate acuminate l., handsomely variegated with white spots. Bolivia. (L'Horticulture Internationale.)

**Sobolewskyia clavata**, Boiss. (*Gard.* 1892, v. xli., p. 484.) Cruciferae. A graceful hardy herbaceous perennial, bearing numerous corymbs of pure white fl. May. Armenia. (Max Leichtlin.)

**Sobralia beyeriana**, Hort. (*Gard.* v. xlii., p. 324.) Orchideæ. G. A dwarf plant, 18 in. high, with broad l., and fl. 5 in. across, white tinged with pink; lip, large, wavy, rosy-lilac with a yellow throat. (Seeger & Tropp.)

**Sobralia lucasiana**, Hort. (*G. C.* 1892, v. xi., p. 816.) G. Probably a variety of *S. macrantha*. It has large fl. with white and lilac segments, the lip rosy-lilac with a yellow blotch at the base. Hab.? (C. J. Lucas.)

**Solanum coronatum**, Vel? (*W. G.* 1892, p. 30.) Solanaceæ. G. or H. H. A much-branched leafy species growing about a yard high, with dark green pinnatifid l., and armed with violet and grey prickles. Fruit as large as a plum, variegated. (Dammann & Co.)

**Solanum dubiosummatum**, Damm. (*W. G.* 1892, p. 477, f. 79.) S. A fine, tall-growing plant suitable for sub-tropical bedding, with large pinnatifid l. of a clear green, suffused with bronzy and armed with yellow prickles; fl. large, blue; fr. white. Abyssinia. (Dammann & Co.)

**Soprocattleya Veitchii**. (*G. C.* 1892, v. xii., p. 312.) Orchideæ. G. A garden hybrid between *Lælio-Cattleya elegans* and *Sophronis grandiflora*. (J. Veitch & Sons.)

**Spathoglottis Veillardii**, Rehb. f. var. *rubra*, Hort. (*G. C.* 1892, v. xii., p. 566, *J. of H.* 1892, v. xxv., p. 529, fig. 70.) Orchideæ. S. A variety with larger and darker coloured fl. than the type. (Sir T. Lawrence.)

**Stanhopea moliana**, Rolfe. (*L.* v. 7, p. 89, pl. 331.) Orchideæ. S. Allied to *S. Rucheri* and *S. Wardi*. The sep. are yellowish-white and the pet. white, all marked with annular rose-coloured spots; lip white, dotted with purple. Peru. (L'Horticulture Internationale.)

**Stauroopsis warocqueana**, Rolfe. (*L.* v. 7, p. 65, pl. 319.) Orchideæ. S. A beautiful species with rich racemes of moderate-sized fl. Sep. and pet. yellow dotted with pale red-brown; lip white, spotted with rosy. New Guinea. (L'Horticulture Internationale.)

**Stenandrium beekmanianum**. (*Ill. H.* v. 39, p. 121, t. 166.) Acanthaceæ. S. A garden hybrid between *S. pictum* and *S. Lindenii*. (L'Horticulture Internationale.)



\***Synandropadix vermitoxicus**, Engler. (*B. M.* t. 7242.) Aroideæ. S. Rootstock tuberous with annual l., which are large, hastate, green, and very succulent; scape 1 ft. high, bearing an ovate open spathe 6 in. long and 4 in. wide, grey-green outside, flesh-coloured inside; spadix as long as the spathe, covered with fl. Tucuman. (Kew.)

**Tacsonia smythiana**. (*G. C.* 1892, xii., pp. 442, 704, fig. 109.) Passifloreæ. S. A garden hybrid or seedling very similar to *T. mollissima*, but with brighter coloured fl. (W. Nicholson.)

**Talinum roseum**, Damm. (*Dammann Cat.* 1892, p. 4.) Portulacææ. G. A dwarf succulent shrub with long panicles of rose-coloured fl. Abyssinia. (Dammann & Co.) Perhaps the same as *T. cuneifolium*, Willd.

**Tchihatchewia isatidea**, Boiss. (*Gard.* 1892, v. xli., p. 484.) Cruciferae. H. A handsome perennial rock plant, forming rosettes like *Saxifraga longifolia*, and racemes of bright rosy-pink fragrant fl. May. Armenia. (Max Leichtlin.)

\***Thalictrum rhyncocarpum**. Dill. et Rich. (*G. C.* 1892, v. xi., p. 722.) Ranunculacææ. H. H. per. A most remarkable species, and one of the most elegant of the genus. Fl.-stems 3 ft. high, paniculate. L. like those of the maiden-hair fern. Fr. on long hair-like stalks. Summer. Transvaal. (Kew.)

\***Thunbergia grandiflora**, Roxb. var. *alba*, Hort. (*G. C.* 1892, v. xii., p. 501.) Acanthaceæ. S. A pure white flowered variety. (Kew.)

**Tillandsia massangeana**, Hort. var. *superba*, Hort. (*Gard.* v. xli., p. 430.) Bromeliacææ. S. "A fine plant of "vigorous growth, the foliage blotched "and barred transversely with a dark "bronzy shade upon a paler ground." (Probably a variety of *T. zebrina*. (J. Veitch & Sons.)

**Tillandsia Moensii**, Hort. (*Gard.* v. xli., p. 430.) S. "A species with "elegantly recurved foliage, veined or "mottled with pale green upon a "yellowish-green ground." (J. Veitch & Sons.)

**Tobolewskyia clavata**. A misprint for *Sobolewskyia clavata*, which see.

**Tradescantia decora**, Bull. (*Bull Cat.* 1892, p. 3.) Commelinacææ. S. An ornamental foliage plant. L. elongate lanceolate, dark olive-green with a medium band of silvery-grey. Brazil. (W. Bull.)

**Tradescantia Reginæ**, Lind. and Rod. (*Ill. H.* v. 39, p. 29, pl. 147; *G. C.* 1892, v. 11, p. 696, f. 102.) S. foliage plant with erect stems, bearing distichous lanceolate acuminate l. about 6 in. long, whitish-green, with the central part and margins transversely veined with dark green, and washed with purple along the midrib; the underside is purple. Peru. (L'Horticulture Internationale.)

**Tradescantia superba**, Lind. and Rod. (*Ill. H.* v. 39, p. 69, pl. 155.) S. foliage plant, with ovate-oblong acute l., dark green striped with whitish on each side of the midrib, purple beneath. Peru. (L'Horticulture Internationale.)

**Trichodesma physaloides**, DC. (*G. C.* 1892, xi., p. 363, fig. 51.) Boraginææ. G. A herbaceous perennial with a fleshy rootstock, annual erect stems, glaucous green l., and pure white fl., with a purple calyx. South Africa. (Adam.)

**Trichopilia brevis**, Rolfe. (*L.* v. 7, p. 91, pl. 332.) Orchideæ. G. A pretty species with long narrow bulbs, lanceolate acute l., and short racemes of 2-3 fl. Sep. and pet. narrow, dull yellow blotched with red-brown; lip with a short campanulate tube, white with a yellow stain in front. Peru. (L'Horticulture Internationale.)

\***Tulipa billietiana**, Jord. and Four. (*B. M.* t. 7253.) Liliacææ. H. A fine showy tulip allied to *T. Didieri*, with lemon-yellow segments sometimes tinged with red. May. Upper Savoy. (Kew.)

**Urceocharis Clibrani**, M. T. Masters. (*G. C.* 1892, xii., p. 214, fig. 36.) Amaryllidææ. S. A garden hybrid between *Eucharis grandiflora* and *Urceolina pendula*. Fl. white. (Clibran & Son.)

**Uropetalum becazzeanum**, Damm. (*Gfl.* 1892, p. 611, f. 127.) Liliacææ. S. bulb with tapering l., and lax racemes about 6 in. long, of drooping green fl. Abyssinia. (Dammann & Co.)

\***Utricularia Humboldtii**, Schousb. (*Gard.* v. xli., p. 362; *G. and F.* v. v., p. 113.) Lentibulariææ. S. A semi-aquatic species with broad reniform l. on erect petioles 6 in. long, and scapes of pale lavender fl., larger than those of *U. montana*. British Guiana. (Baron Schröder.)

\***Utricularia longifolia**, Gardn. (*Gard.* 1892, v. xli., p. 362.) S. A semi-aquatic species with strap-shaped l., and short erect scapes of mauve fl. (Probably the same as that called *U. rhyterophylla*, see *Kew Bull.* 1890, App. II., p. 57.) British Guiana. (F. Sander & Co.)

**Vanda arbutnotiana**, Kränzlin. (*G. C.* 1892, v. xi., p. 322.) Orchideæ. S. A new species near *V. Roxburghii*. It has bright green bilobed l. and golden-yellow fl. with purplish stripes. Malabar. (F. Sander & Co.)

**Vanda teres**, Lindl. var. *alba*, Hort. (*G. C.* 1892, v. xi., p. 664.) S. A variety with pure white fl. (Lord Rothschild.)

**Vanda vitellina**, Kränzlin. (*G. C.* 1892, v. xii., p. 206.) S. A new species resembling *V. caerulea*, Griff., but the fl. are smaller and coloured egg-yellow. (Berlin Botanic Garden.)

\***Vernonia podocoma**, Schultz. (*B.M.* t. 7255.) Compositæ. G. A tall-growing plant with large leathery foliage and a terminal panicle, which, on strong plants, is 3 ft. long, and nearly as much wide. The fl. are  $\frac{1}{2}$  in. long, tubular, and rose-purple, arranged in loose heads. S. Africa. (Kew.)

**Veronica monticola**, Traut. (*G. C.* 1892, v. xii., p. 614.) Scrophulariæ. H. A perennial trailing species with spreading tufts of oblong-lanceolate glabrous l., and spikes of small blue fl. Summer. Abschasia. (Correvoon.)

\***Viola declinata**, W. and K. (*G. C.* 1892, v. xi., p. 650; *Gard.* 1892, v. xli., p. 451.) Violariæ. H. Height,  $\frac{1}{3}$  ft. Fl. large, deep bright purple, with darker markings near the yellow eye. L. ovate, bluntly toothed. May. Transylvania. (Kew.)

**Vitis argyrophylla**, Carr. (*R. H.* 1892, p. 222.) An error for *V. ægirophylla*, Boiss. Ampelidæ. H. Vine with very variable l., unequally and very sharply toothed. Turkestan. (Godefroy Lebeuf.)

**Vriesea obliqua**, Quintus. (*Gfl.* 1892, p. 201, t. 1369.) Bromeliæ. S. A garden hybrid, parents doubtful. (Quintus, Groningen.)

**Vriesea tessellata**, var. *sanderiana*, Hort. Sander. (*G. C.* 1892, v. xi., p. 731.) S. A variety with the l. more distinctly zoned and marbled than the type. (F. Sander & Co.)

**Warscewiczella Lindeni**, Hort. See *Zygopetalum Lindeni*.

\***Yucca Hanburyi**, Baker. (*Kew Bull.* 1892, p. 8.) Liliacæ. H. H. A new species, allied to *Y. angustifolia*. Acaulescent. L. in a dense rosette, linear, rigid green, with a pale brown edge and a few marginal filaments. Raceme simple,  $1\frac{1}{4}$  ft. long; fl. campanulate, 2 in. long, white. N. America. (T. Hanbury.)

**Zelkova japonica**, Dipp. var. *Ver-schaffelti*, Dipp. (*G. C.* 1892, v. xii., p. 669.) Urticacæ. H. "In Belgian catalogues this elegant tree of small size appears as *Ulmus Verschaffelti*, and Dr. Dieck formerly announced it to be *Planera japonica*." (Zöschchen Arboretum.)

\***Zygopetalum graminifolium**, Rolfe. (*G. C.* 1892, v. xi., p. 698, xii., 179; *L. t.* 340.) Orchidæ. G. This plant has been in cultivation several years, but it does not appear to have flowered till last year. It is a small-growing species with a slender creeping rhizome, small pseudobulbs, and narrow grassy l.; raceme erect bearing, from five to seven green and purple fl. (F. Sander & Co.)

**Zygopetalum leucochilum**, (*G. C.* 1892, v. xi., p. 214.) G. A garden hybrid between *Z. Burkei* and *Z. Mackayi*. (J. Veitch & Sons.)

**Zygopetalum Lindeni**, Rolfe. (*L.* v. 8, p. 5, pl. 337.) S. A beautiful species with lanceolate acute l., and solitary large white fl. veined with rose-purple on the very large lip. Syn. *Warscewiczella Lindeni*, Hort. (L'Horticulture Internationale.)